

AMENDMENT

IN THE CLAIMS:

What is claimed is:

1. (Currently amended) A drug agent to repress transcription of a gene expressed specifically in hepatoma cells, the drug agent comprising a protein dimer of ZHX3 and ZHX1 as an effective component, wherein ZHX3 having an amino acid sequence of SEQ ID NO: 1, wherein the protein comprises amino acids 1-107 and 242-555 of SEQ ID NO: 1 and has at least 85% sequence identity to SEQ ID NO: 1, wherein the gene is a type II hexokinase or a pyruvate kinase M gene.

2-6. (Canceled)

7. (Withdrawn) A screening agent to screen drug agents with transcriptional repressor activity, comprising an antibody specific to a protein or a peptide of (1) to (4) as an effective component:

- (1) a protein or a peptide having an amino acid sequence of SEQ ID NO: 1
- (2) a protein or a peptide having an amino acid sequence comprising a deletion, substitution or addition of one or several amino acids with respect to the amino acid sequence of SEQ ID NO: 1, and having a transcriptional repressor activity
- (3) a protein or a peptide comprising the functional domain of the amino acid sequence of SEQ ID NO: 1
- (4) a protein or a peptide comprising an amino acid sequence comprising a deletion, substitution or addition of one or several amino acids with respect to the functional domain of the amino acid sequence of SEQ ID NO: 1, and having a transcriptional repressor activity.

Serial No.: 10/534,424

8. (Withdrawn) The screening agent of claim 7, wherein said functional domain consists of amino acids 303-502 of SEQ ID NO: 1.

9-11. (Canceled)

12. (Withdrawn) An antibody specific to a protein or a peptide of (3) or (4):

(3) a protein or a peptide comprising the functional domain of the amino acid sequence of SEQ ID NO: 1

(4) a protein or a peptide comprising an amino acid sequence comprising a deletion, substitution or addition of one or several amino acids with respect to the functional domain of the amino acid sequence of SEQ ID NO: 1, and having a transcriptional repressor activity.

13. (Currently amended) A drug agent to repress transcription of a gene expressed specifically in hepatoma cells, the drug agent comprising a protein consisting dimer of ZHX3 and ZHX1 as an effective component, wherein ZHX3 consists of the amino acid sequence SEQ ID NO: 1 as an effective component, wherein the gene is a type II hexokinase or a pyruvate kinase M gene.

Please add the following new claim:

14. (New) The drug agent of claim 1, further comprising a cofactor selected from the group consisting of mSin3A, mSin3B, histone deacetylase, N-CoR, BS69 and ATF-IP.